



Department of Chemistry and Biochemistry

Los Angeles, CA 90095-1569

Volume 16, Number 2

Spring 1996

Save these Dates:

Association Picnic
Saturday, 1 June 1996
12 to 3 pm
at the Bombshelter
(in front of Young Hall)

Chemistry Graduation
Saturday, 15 June 1996
Reception: 5:30 pm
Ceremony: 6:15 pm
Court of the Sciences

Seaborg Medal Dinner
Saturday, 12 October
1996
6 :00 pm
UCLA Faculty Center

Chairman's Message:

Although graduation is still some time off, the 1995-96 Academic Year is drawing to a close, at least insofar as the Chair's duties are concerned. We are heavily involved in planning for the 96-97 year. After the trial implementation of Chem 10, the new first-year sequence for Life Science majors, we are now expanding the enrollments to 1000, which requires the acquisition of new laboratory equipment and the stocking of labs. Scheduling is still complicated by renovation. The long-awaited remodeling of the South Wing has now begun and we will have to juggle lab sections until the work is complete in about 18 months.

The Virtual Office Hours project that was developed by **Craig Merlic** was featured in article in the March 11 issue of C&E News. This supplement to "real" office hours has been highly successful and many other campus departments plan to initiate the program. If you'd like to see how VOH works, you'll find it under "New Items" on the Department's web page: <http://www.chem.ucla.edu/dept>

Although the curriculum is constantly changing, some things remain the same. Our faculty continue to garner awards. **Bill Gelbart** has become the 14th member of our department to be honored by a campus-wide Alumni

Association teaching award. (**Ken Trueblood** was one of those selected for the first of these awards in 1961.) **Andrea Liu** and **Miguel Garcia-Garibay** have received NSF Career Development Awards. They are the 15th and 16th young faculty members chosen since the program began in 1978 (as the Presidential Young Investigator Program). This record of success is unmatched in the country.

Chris Foote has been awarded the Tolman Award of the Southern California Section of the ACS in recognition of his work on the chemistry of singlet oxygen and **Ric Kaner** has just received a Guggenheim Fellowship. **Danny Neuhauser** is the recipient of an Alfred P. Sloan Research Fellowship and in August **David Eisenberg** will be presented the Stein and Moore Award of the Protein Society "for his many contributions to structural biology." **Delroy Baugh** has just received (on 4 May) the 1996 Seaborg Award for outstanding research by a young faculty member, given by Alpha Chi Sigma.

In June at the triennial meeting of Iota Sigma Pi, the national women's chemistry honor society, **Robin Garrell** will receive their Agnes Fay Morgan Award for outstanding research achievement in chemistry or biochemistry. **Raphy Levine** has been elected a foreign member of the Royal Danish Academy of Sciences and Letters.

Honors also go to our emeriti. On April 13, **Paul Boyer** was awarded an honorary Doctor of Science degree by the University of Minnesota.

I'm pleased to announce that biochemists **Al Courey** and **Todd Yeates** and organic chemist **Craig Merlic** have been promoted to Associate Professor. Two new physical chemists are set to join our faculty as Assistant Professors. **Ben Schwartz**, a graduate of the University of Michigan who received his Ph.D. from Berkeley and post-docked at Texas and UCSB, will begin his appointment this July. **Sarah Tolbert** did her undergraduate studies at Yale and received her doctorate from Berkeley. She will join us in July 1997 after completing a two-year post-doctoral position at UCSB.

The donation to the Department by Hughes Research of a multipurpose photoelectron spectroscopy system is the core of a new surface science facility, which also includes a Rutherford Backscattering Instrument for imaging the atomic structure of surfaces. Hughes Aircraft, Hughes Electronics and the Dean of Physical Sciences have also provided financial support needed to get the facility on line.

In response to a proposal written by **Arlene Russell**, Hewlett Packard has donated a Ultraviolet-Visible spectrophotometer and a mass spectrometer to the Department for use in our new Chem 10 undergraduate labs. (Those of you who remember the Qualitative Analysis schemes in the first-year labs will recognize that we've made some big changes in the curriculum.)

Ralph and Charlene Bauer will underwrite preparation of displays of the works of the Nobel Laureates of the department. Already donated for these exhibits are some of Glenn Seaborg's laboratory notebooks and early photographs of the university.

Now is the time to pencil in the date for the 1996 Seaborg Dinner on Saturday, 12 October (see next column). I look forward to seeing you there!

Chuck Knobler

President's Message:

It is hard to believe that almost a year has passed since I assumed the role of president of the Association of Chemists and Biochemists. I was sworn in "in absentia", because I was on a plane bound for a two-month research program in England last June. Many of you know me from my days in the department as a graduate student and postdoc in David Eisenberg's laboratory. It has been a pleasure for me to serve a department that provides such an outstanding education and research training to its graduates and postdoctoral fellows.

The Association is working this year to update our alumni database. Please forward to us addresses of interested alumni. Be aware that membership in the greater UCLA Alumni Association does not automatically make you a member of the Association of Chemists and Biochemists. Be sure to look up the sites of both alumni associations on the World Wide Web.

There are many exciting activities planned in the months ahead. Alpha Chi Sigma will be hosting their annual Seaborg Banquet on Saturday, May 4. The Seaborg Award Dinner will be held on Saturday, October 12. On Saturday, June 1, the Association will be hosting our annual picnic, at which we will swear in our new president, Dr. Brian Pierce, Hughes Radar Systems. Our next president-elect, I am pleased to announce, will be Professor Linda Tunstad, PhD'90, another CSU colleague (Cal State Los Angeles).

Katherine Kantardjieff

Seaborg Medal and Dinner

Save Saturday, 12 October, for the 1996 Seaborg Dinner! This year's medalist will be Dr. Mary Good, who is Undersecretary for Technology in the Department of Commerce. Dr. Good received her Ph.D. in inorganic chemistry and has had careers in academe, industry and government. She was the 1987 president of the ACS and is a member of the National Academy of Engineering. Look for more details of the dinner and the associated symposium in the Fall Newsletter.

Departmental Honors

A Chemistry and Biochemistry Departmental Awards Ceremony was held on 16 October, at which the following awards were made:

Undergraduate Awards

Stone Prize (General Chemistry)

Ying-Zi Chang	Alyshia Chen
Sonia Dang	Carolyn Hardy
Armen Martirosian	Purvisa Patel
Zi Wong	

Geissman Prize (Organic Chemistry)

Andrew B. Liao	Amy S. Miyoshi
Y Vu Pham	Alan Saghatelian
Ali Marni Strocker	

Dunn Prize (Biochemistry)

Paula Lin

Ramsey Prize (Physical Chemistry)

Xanthipe Jordanides	Elva Torres
Lisa Rosenberg	Doug Twisselmann

Ethyl Terry McCoy Award

Belinda Lew	Annette Salmeen
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National Science Foundation Scholarship Prize

Jabar Akbar	Juliet Nabakka
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Graduate Student Awards

1994-95 Distinguished Teaching Assistant Awards

Shawn Bauer	Amy Constable
Ron Horton	Tanya Jonassen
Tseveti Lazarova	Nhi Nguyen
Peter Nico	Lisa Nitao
Massimo Noro	Michael Parker
Krisztina Peterfy	Sundeep Sethi
Charlie Wallace	Joe Walsh
Diana Wertz	Wenise Wong
Pam Zobel	

Outstanding Performance by a First-Year Graduate Student

Ana Acosta	Shawn Bauer
Guoqing Chen	Michael Huang
Ted Johnson	Sang Ho Kim
Hongbin Liu	Jian Liu
Rodolfo Marquez	Lisa Nitao
Ian Ono	Ying You

Ralph and Charlene Bauer Awards for Excellence in Research

Homa Abkarian	Tim Su
Jeff Wootton	

George Gregory Awards for Excellence in Research

Jennifer Kelley	Wousick Kim
Kia Moteshareh	Chris Nichols
Pamela Ohara	Tim Parker

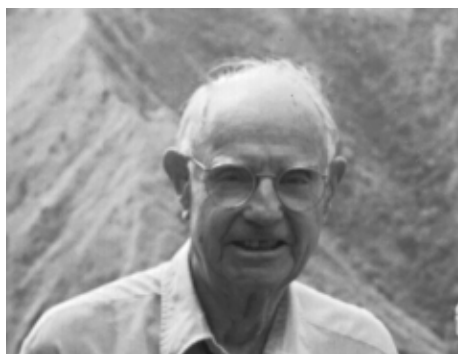
Faculty Awards

Hanson Dow Award (Teaching)

Emil Reisler

Herbert Newby McCoy Award (Research)

Robin Garrell	David Myles
Todd Yeates	



Thomas L. Jacobs, at 87 the eldest of our emeritus professors, died 7 October 1995. Tom was born in Forest City, Iowa, graduated from Cornell College (Iowa) and then received his PhD. in organic chemistry from Cornell University (New York). After four years as an instructor at Harvard, he joined the UCLA faculty in 1936. For 56 years, before his retirement in 1976 and after, Tom contributed much to the foundations of excellence upon which the reputation of this department and this campus now rest. Upon which the reputation of this department and this campus now rest. At one time or another he served, often as chairman, of important departmental, academic senate, and university-wide committees. He had a continuing interest in sports, acting for 10 years as the UCLA Faculty Athletic Representative.

However, all of these activities were secondary to Tom's interests in teaching and research in organic chemistry — with a special interest in the chemistry of acetylenes and allenes, including their polymerization. As part of his teaching he trained numbers of graduate students. He consulted for 3M for 10 years. He was active in ACS affairs, serving a term as chairman of the Southern California Section. He continued his research throughout his retirement, keeping up with Chemical Abstracts even in his last week.

He is survived by his wife Ruth, a daughter and two sons, and seven grandchildren.

Before Tom's death he and Ruth had arranged to give to the Department a part interest in the sale of the family farm in Kossuth County, Iowa. This will add about \$159,000 to the Thomas L. and Ruth F. Jacobs Fund for scholarships, primarily for graduate students.

Ronald S. Bauer, 63, died 8 December 1995 in Houston. Ron received his BS in 1954, and his PhD. in organic chemistry in 1958. He joined Shell Development Company in Emeryville, California, and retired from the company's Westhollow Research Center in Houston in 1993. His work focused on the areas of polymer synthesis, polymer characterization, and polymer processing. In 1985 Ron was chairman of the Division of Polymeric Materials: Science and Engineering of the ACS. He wrote many articles on epoxy resins and edited two books. He is survived by his wife Betty.

Henry G. Mautner, BS'46, MS Organic Chemistry (USC), PhD Medicinal Chemistry (UC Berkeley), died in 1995. He was on the Yale faculty in pharmacology for 15 years. In 1970 he joined the Tufts University School of Medicine as chairman of the department of biochemistry and pharmacology, a post he held for 15 years. On his retirement as professor emeritus, he became visiting scholar in the department of fine arts at Harvard, and he was science chair of the Children's School of Science in Woods Hole. A memorial was held at Fisher House in Woods Hole on 30 March 1996.

Frank R. Ohly, 87, BA'35, died 29 December 1995. Born in Ohio in 1908, Frank was one of the founders of the UCLA Beta Gamma chapter of Alpha Chi Sigma. He went on to earn degrees in Education and Philosophy before becoming a teacher in the Los Angeles City Schools, retiring in 1970. Frank was one of the four original founders attending the Alpha Chi Sigma 60th anniversary and Seaborg Award dinner in April 1995.

Thomas Herzog, BS'60, died 23 September 1995. He was living in Fullerton and is survived by his wife Janet.

As this Newsletter went to press, we learned of the death of **Edward A. "Abe" Lasher**, 85, BA'35, MA'35, PhD'63, on 30 April. A more detailed obituary will appear in the Fall.

Of our total list of over 6000 grads and post docs, only about 3000 addresses are viable. In the next issue we will start listing "lost souls".

Robert E. Singler, PhD'70, took "early retirement" in June 1995 from the Army Research Laboratory, Materials Directorate, in Watertown, Massachusetts. He now has a one-year appointment in the department of chemistry at the U.S. Military Academy, West Point, where he is teaching Chemistry 101 to the cadets and working with the faculty to develop research programs and promote interactions with other Army labs and academic institutions. Bob's permanent address is still Belmont, Massachusetts, where his wife Judy has an expanding career as a social worker in hospital home care.

Phoebe K. Dea, BS'67, PhD (Cal Tech) professor of chemistry at Occidental College, has been named as one of the 1996-97 Camille and Henry Dreyfus Scholar/Fellow Awards for Undergraduate Institutions. Each Scholar appoints a recent PhD recipient as a Fellow, who receives an annual stipend of \$25,000 for up to two years, and is expected to carry out research in close association with the Scholar and to participate actively in departmental teaching programs. Phoebe's research includes structure, phase behavior and molecular interaction studies on bilayer membranes using calorimetry, fluorescence and NMR spectroscopy.

Katherine Kantardjieff, MS'86, PhD'90, professor of chemistry at California State University, Fullerton, and current president of this association, is another of the 1996-97 Camille and Henry Dreyfus Scholar/Fellows for Undergraduate Institutions. Kathy's research includes crystallographic, spectroscopic and computational studies on bacterial toxins, bovine ceruloplasmin, ADP-glucose pyrophosphorylase and aminocyl-tRNA synthetases.

Allen R. Seely, BS'86, is practicing medicine at the Pinehurst Medical Clinic in Pinehurst, Idaho. He is board certified as a family practice physician and specializes in obstetrics.

George Castro, BS'60, PhD'65, is now Associate Dean for Science Outreach in the College of Science at San Jose State University.

Association Officers for 1995-96

President: Katherine A. Kantardjieff, MS'86, PhD'90
President-Elect: Brian M. Pierce, BS'78, PhD'83 (UCR)
Past President: Edward J. A. Pope, BS'78, MS'85, PhD'89
Treasurer: William Timberlake, MS'66
Secretary: Eva M. Escobar, BS '83 MS'86 (Eng)
Historian: Yoshie Kadota, BA '37

Editors: Robert L. Scott, Professor Emeritus
Emily F. Maverick, MS'53, PhD'72
Editor Emeritus: Sandra I. Lamb, BS'54, PhD'59
Graduate Representative: Brian Fraser
Undergraduate Representatives:
Grace Huang, Rowena Rege

THE GIFT THAT GIVES BACK:

Through a planned gift, a personal commitment can be made to sustain the excellence of the Department of Chemistry and Biochemistry. (A particular need is further endowment for the Winstein Chair.) The type will depend on the individual's unique blend of financial resources and goals. One popular method is also the simplest: the charitable gift annuity. With a simple contractual agreement, a gift can be made to support the department, and a significant lifetime income can be retained for the donor or a designated

beneficiary or beneficiaries.

In return for a gift of cash or securities, UCLA will pay the donor, or whoever is designated, an income for life. The income is a fixed amount and generally depends on the number (up to two) and the age(s) of the beneficiary(ies). In addition to the income interest with a gift annuity, the donor gets a current income-tax charitable deduction for a portion of the gift.

Gift annuities also offer the opportunity to reduce capital-gains tax when long-term appreciated property is used to fund an annuity. Because of their simplicity, gift annuities do not require a great deal of time or expense

to complete, making them suitable for gifts of all sizes. Gifts may be as small as \$5,000.

What the gift annuity means to many donors is the security of a generous, regular, nonfluctuating income—an end to the dramatic swings the marketplace has seen in the last several years. It also means freedom from the often burdensome details involved in managing one's own investment portfolio.

To explore the possibility of making a planned gift to benefit the department, please call (310) 206-0634 or write to UCLA Office of Planned Giving, P.O.Box 135907, Los Angeles, CA 90095.

**PLEASE SEND DUES FOR 1996
IF YOU HAVE NOT ALREADY DONE SO
Please make check out to and send to:
UCLA Association of Chemists and Biochemists
UCLA Department of Chemistry and Biochemistry
Los Angeles, CA 90095-1569**

Name	Research Director	
Address	Degree and Year	
City, State, Zip	1996 Dues (\$20.00)	\$
Phone No.	Other Donation (Please specify)	\$

Alumni News (We are particularly looking for news from our BS graduates of any year)

UCLA Association of Chemists and Biochemists
UCLA Alumni Association
Los Angeles, CA 90095-1569

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